

# LPCB Red Book



## Part: 5 Construction products

bre

### Introduction

BRE Global Ltd, based in the UK near London, is an independent third party organisation offering certification of fire, security and sustainability products and services to an international market. LPCB is the certification brand used for fire and security products and services. The LPCB mark is accepted worldwide. We have representative offices in China, India and Dubai. We are owned by the BRE Trust, a not-for-profit organisation. LPCB listings can be accessed, free of charge, at [www.redbooklive.com](http://www.redbooklive.com). BRE Global additionally carries out: - Fire Investigation - Fire Risk Assessment - Fire Safety Engineering - Research - Training

# *Part 5*

*Construction products*

## INTRODUCTION

The products listed in this part of the Red Book have been assessed for Technical Approval (or Certification) based on the intended use of the product, and take into account the UK Building Regulations, Highways Regulations, the Essential Requirements from the Construction Products Regulation (CPR) and other directives as necessary.

Most of the approvals listed are for products and systems for which there are no directly applicable recognised standards and a Technical Approval certification has been granted. Where British, European or other recognised standards apply, we also approve products against these standards.

The granting of certification depends on the type testing and initial factory assessments meeting the relevant standards and scheme requirements laid down. Certification is maintained by regular factory production control surveillance visits and, where specified, the testing of audit samples to ensure that the product continues to be made in exactly the same way.

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# WALL AND ROOF CLADDING SYSTEMS

The scope of products covered under this scheme is as follows:

Wall and roof cladding products, systems and kits for domestic, commercial and industrial building applications manufactured from metals, plastics, timber, glass, natural stone, clay and cementitious based materials and composites to provide decoration, and weather resisting, fire, thermal and acoustic protection.

## IMPORTANT NOTICE

### NEW REGULATIONS RELATED TO FIRE PERFORMANCE AND CLADDING SYSTEMS ON EXTERNAL WALLS OF BUILDINGS WITH A STOREY 18m ABOVE GROUND LEVEL IN ENGLAND

The validity of the external wall cladding system included within PermaRock Products Ltd Certificate No. 158/12 is impacted by the Building (Amendment) Regulations 2018 (SI 2018/1230) (the Amendment Regulations) which apply to buildings and building work in England and which came into force on 21<sup>st</sup> December 2018.

The relevant buildings to which the new Regulations apply are those with a storey at least 18m above ground level and which contain;

- One or more dwellings or
- An institution or
- A room for residential purposes (excluding any room in a hostel, hotel or boarding house)

This specifically includes buildings with a storey at least 18m above ground floor level as follows;

- Residential blocks of flats
- Student accommodation
- Care homes
- Sheltered housing
- Hospitals
- Dormitories in boarding schools

In all these cases, all materials forming a part or element of an external wall or attachment must now achieve a class A2-s1, d0 or A1 in accordance with BS EN 13501-1:2007+A1:2009 for use 18m above ground level. This now represents the only route to compliance with regulation 7(2).

This means that some of the system within this certificate that previously complied with the building regulations and the guidance in Approved Document (AD) B through classification in accordance with BR 135 are no longer permitted for use on buildings of the above types, with a storey at least 18m above ground level. The certificates should be read alongside The Building (Amendment) Regulations 2018 (SI 2018 No. 1230) which is available in full through the following link;

[http://www.legislation.gov.uk/ukxi/2018/1230/pdfs/ukxi\\_20181230\\_en.pdf](http://www.legislation.gov.uk/ukxi/2018/1230/pdfs/ukxi_20181230_en.pdf)

This certificate is currently undergoing a full review to take account of these changes for use on buildings in England and will be updated as soon as this work is complete.

The Amendment Regulations came into force on 21 December 2018. However, the Amendment Regulations do not apply where a building notice or an initial notice has been given to, or full plans deposited with, a local authority before 21 December 2018 and either the building work to which it relates: (a) has started before that day; or (b) is started within the period of two months beginning on that day. Please note that building notice, initial notice and full plans have the meanings given in Regulation 2 of the Building Regulations 2010.

## PermaRock Products Limited

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Certificate No: 158/12 to Revision 11

### Wall and roof cladding systems

| Product Name                                          | Description                                                                                                                                                                                                              | LPCB Ref. No |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| PermaRock External Wall Insulation and Render Systems | PLEASE SEE IMPORTANT NOTICE REGARDING NEW REGULATIONS RELATED TO FIRE PERFORMANCE AND CLADDING SYSTEMS ON EXTERNAL WALLS OF BUILDINGS WITH A STOREY 18M ABOVE GROUND LEVEL IN ENGLAND IN THE RED BOOK INTRODUCTION BELOW | 158/12       |

## WALL AND ROOF CLADDING SYSTEMS

PermaRock External Wall Insulation and Render Systems (PEWIRS) consist of (mono- or dual- density) mineral fibre or expanded polystyrene (EPS) insulation finished externally with polymer modified renders, polymeric coatings with aggregate finishes, or brick slips or brick-effect render to simulate brickwork.

The PermaRock Systems are for application to external vertical walls of new or existing buildings of masonry, dense and no fines concrete, timber or light gauge steel frame construction. The components of the external wall insulation and renders systems are as follows:

- Adhesive
  - Fixings for insulation
  - Insulation (mineral fibre, EPS )
  - Base coat materials
  - Reinforcing mesh
  - Fixings for reinforcement layers
  - Primers
  - External finishes
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